

Rupesh Kumar Tiwari

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SKILLS

- **Technical Skills:** Mobile Development, Flutter Development (android, iOS & web), Firebase, Data Structures, Algorithms, OOPS, Graphic Designing, Clean Architecture, State Management, RESTful API Integration, Event Tracking, Unit Testing, Deployment, Flutter Libraries.
- **Languages:** Dart, html, CSS, C, C++, Python
- **Tools:** Android Studio, VS Code, IntelliJ, GitHub, Canva

PROJECTS

- **Music Player app**
 - Prepared a Flutter-based **music player** application that accesses **local storage** to generate playlists and play downloaded songs.
 - Implemented core music player functionalities like play, pause, next, and previous, providing users with a smooth and intuitive listening experience.
 - Engineered an intuitive interface that allowed users to access playlists seamlessly; achieved positive user feedback from more than 250 initial testers regarding the functionality of song organization in local storage.
 - Streamlined error reporting system within applications to identify bugs quicker; reduced bug fixing time by 20%, allowing developers more opportunities to focus on feature enhancements rather than troubleshooting issues.
 - **Technical Skills:** Flutter, Dart, Local Storage Access, Media Player API, State Management, GitHub.
- **Recipe Finder App**
 - Developed a **recipe** app using Flutter, allowing users to search for recipes and receive multiple results through the **Edamam** API.
 - Developed a **detailed recipe display** feature, where users can select a recipe to view ingredients and a brief step-by-step cooking process.
 - **Optimized search functionality** to provide fast and accurate recipe results, improving user experience.
 - **Technical Skills** Flutter, Dart, Edamam API, API Integration, State Management, GitHub.
- **Weather Forecast App**
 - Designed and built a **weather forecasting** app using Flutter and Dart, integrating a third-party API to fetch real-time weather data.
 - Launched a comprehensive location-based search functionality, directly increasing the application's user retention rate by 25%; feature now serves over 10,000 active users daily seeking localized weather updates.
 - Displayed key weather details such as temperature, humidity, Wind Speed, Pressure and multi-time forecasts, with a user-friendly interface.
 - **Technical Skills:** Flutter, Dart, API Integration, JSON Parsing, REST APIs, GitHub.

EDUCATION

- **Jabalpur Engineering College**
Bachelor of Technology in Computer Science; GPA: 7.00 *October. 2022 – July. 2026*
- **Kendriya Vidyalaya Bhopal**
Class XII, CBSE; Percentage: 81% *April. 2021 – May. 2022*
- **Kendriya Vidyalaya Bhopal**
Class X, CBSE; Percentage: 73% *April. 2019 – May. 2020*

EXTRA-CURRICULAR ACTIVITIES

- **Sports:** National player in Kabaddi, member of the football team in college, Holds NCC-A certificate.
- **NCC:** Served as an NCC cadet ('A' Certificate)
- **Interests:** Organizing community events, business case studies, and Watching movies